

**WEST****End of Result Set**

Generate Collection

Print

L1: Entry 1 of 1

File: USPT

Oct 30, 2001

US-PAT-NO: 6309651

DOCUMENT-IDENTIFIER: US 6309651 B1

TITLE: Method of and compositions for immunization with the pseudomonas V antigen

DATE-ISSUED: October 30, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frank; Dara W.	West Allis	WI		
Yahr; Timothy L.	Hanover	NH		
Sawa; Teiji	San Francisco	CA		
Wiener-Kronish; Jeanine	San Francisco	CA		

US-CL-CURRENT: 424/260.1; 424/200.1, 530/350

## CLAIMS:

We claim:

1. A method of treating Pseudomonas aeruginosa infection comprising inoculating a patient with an effective amount of isolated PcrV protein from Pseudomonas aeruginosa, wherein the amount of protein is sufficient to show moderation or reduction of Pseudomonas aeruginosa infection as compared to control subjects.
2. The method of claim 1 wherein the patient is inoculated with recombinant PcrV protein.
3. The method of claim 1 wherein the patient is a human patient.
4. A method of treating a Pseudomonas aeruginosa infection comprising the step of inoculating a Pseudomonas aeruginosa-infected patient with an effective amount of isolated PcrV protein from Pseudomonas aeruginosa, wherein the amount of protein is sufficient to show moderation or reduction of Pseudomonas aeruginosa infection as compared to control subjects.

**WEST****End of Result Set**

Generate Collection

Print

L1: Entry 1 of 1

File: USPT

Oct 30, 2001

US-PAT-NO: 6309651

DOCUMENT-IDENTIFIER: US 6309651 B1

TITLE: Method of and compositions for immunization with the pseudomonas V antigen

DATE-ISSUED: October 30, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frank; Dara W.	West Allis	WI		
Yahr; Timothy L.	Hanover	NH		
Sawa; Teiji	San Francisco	CA		
Wiener-Kronish; Jeanine	San Francisco	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
MCW Research Foundation	Milwaukee	WI			02
The Regents of the University of California	Oakland	CA			02

APPL-NO: 09/ 448339 [PALM]

DATE FILED: November 23, 1999

## PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATION This application claims priority to U.S. Ser. No. 60/109,952, filed Nov. 25, 1998 and U.S. Ser. No. 60/126,794, filed Mar. 30, 1999, both of which are incorporated by reference herein.

INT-CL: [07] A61 K 39/08

US-CL-ISSUED: 424/260.1; 424/200.1, 530/350

US-CL-CURRENT: 424/260.1; 424/200.1, 530/350

FIELD-OF-SEARCH: 424/260.1, 424/200.1, 435/69.1, 435/69.3, 435/71.1, 530/350

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

PAT-NO

ISSUE-DATE

PATENTEE-NAME

US-CL

☐ 5599665 February 1997 Barbieri et al.

## OTHER PUBLICATIONS

Pullen et al. Infection Immunity. Feb. 1998. 66(2): 521-7, Feb. 1998.\*  
Frank, D. Molec. Microbiol. 1997. 26(4): 621-9, 1997.\*  
G.W. Anderson, Jr., et al., "Recombiant V Antigen Protects Mice against Pneumonic and Bubonic Plague Caused by F1-Capsule-Positive and -Negative Strains of Yersinia pestis," Infect. Immun. 64(11):4580-4585, 1996.  
H. Hahn, et al., "Pilin-Based Anti-Pseudomonas Vaccines: Latest Developments and Perspectives," Behring Inst. Mitt. 98:315-325, 1997.  
T. Sawa, et al., "Active and Passive Immunization with the Pseudomonas V Antigen Protects against Type III Intoxication and Lung Injury," Nat. Med. 5(4):392-398, 1999.  
T.L. Yahr, et al., "Identification of Type III Secreted Products of the Pseudomonas aeruginosa Exoenzyme S Regulon," J. Bacteriol. 179(22):7165-7168, 1997.

ART-UNIT: 165

PRIMARY-EXAMINER: Graser; Jennifer E.

ATTY-AGENT-FIRM: Quarles & Brady LLP

ABSTRACT:

A method of inhibiting, moderating or diagnosing Pseudomonas aeruginosa infection is disclosed. In one embodiment, this method comprises inoculating a patient with an effective amount of PcrV antigen.

4 Claims, 5 Drawing figures